



# CALIFORNIA AGRICULTURAL EMPLOYMENT AND EARNINGS BULLETIN

November 1991

## SEPTEMBER 1991

This bulletin covers 27 agricultural industries statewide, and from five to seventeen industries in each of six regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details). The data are organized into sets of tables by state and region:

- Wage and Salary Workers (Table A).
- Agricultural Production Workers (Table B).
- Average Weekly Earnings of Production Workers (Table C).
- Average Hours Worked by Production Workers (Table D).
- Average Hourly Earnings of Production Workers (Table E).

For the month of September 1991, agricultural employment totaled 465,700 (Table 1-A), which is four percent above the August 1991 level. A year ago, total employment was 476,300. Month-over increases in the San Joaquin Valley (Grapes and Farm Labor Contracting) accounted for most of the gain. The other regions remained near their August employment levels.

### Wage and Salary Workers in Agricultural Establishments

For September  
1991

(In Thousands)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	465.7	237.0	64.8	79.0	33.5	37.7	18.2
Total Crops	274.0	133.6	43.6	51.3	10.8	27.5	12.8
Total Livestock	28.2	14.6	2.8	1.2	5.4	2.1	2.0
Total Services	163.5	88.8	18.4	26.5	17.3	8.1	3.4

Source: Tables 1-A through 7-A, September 1991.

### REGIONAL CROP ACTIVITIES

Statewide, year-over employment declines in Farm Labor Contracting outweighed gains in Crops Production (concentrated in grapes, vegetables and melons). Employment was below the year-ago level in the San Joaquin Valley, South Coast, Sacramento Valley and North Coast Regions, while the remaining two regions were above the employment totals of September 1990. (Tables 1-A through 7-A.)

According to the California Farm Labor Report (881A), the major regional crop activities during September were:

- South Coast: Strawberries (harvest), horticulture and tomatoes (cultivate and harvest), broccoli and miscellaneous vegetables (plant, cultivate and harvest).
- Central Coast: Strawberries, broccoli, cauliflower, tomatoes and lettuce (harvest), miscellaneous vegetables (preharvest and harvest), and horticulture (plant, cultivate and harvest).
- North Coast: Grapes (harvest).
- San Joaquin Valley: Grapes (raisin, table and wine), cantaloupes, peaches, nectarines, tomatoes, apples, almonds, alfalfa hay, corn (silage), and olives (harvest), and miscellaneous vegetables (plant, cultivate and harvest).

### AGRICULTURAL PRODUCTION WORKERS

The September statewide agricultural production worker employment figure was 432,200 (Table 1-B); this was four percent above the August level.

Average weekly earnings for agricultural production workers were \$274.55 statewide and ranged from \$264.73 in the Desert Region to \$301.02 in the Central Coast Region. (Tables 1-C through 7-C.)

Statewide, the average hours worked by agricultural production workers were 42.5, with a low of 37.6 hours in the North Coast Region and a high of 46.9 hours in the Sacramento Valley Region. (Tables 1-D through 7-D.)

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### Average Hourly Earnings of Production Workers

For September  
1991

(In Dollars per Hour)

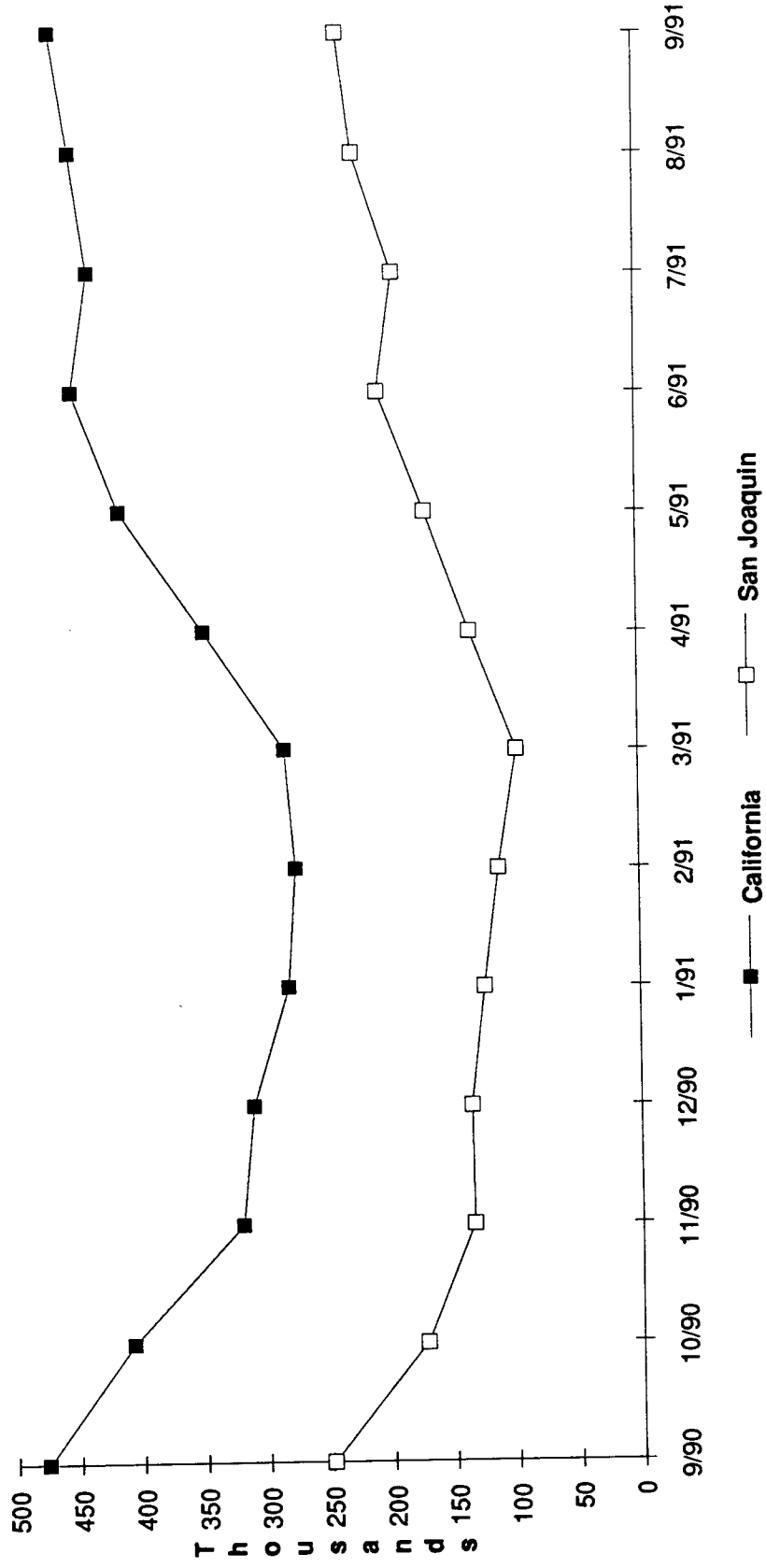
Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	6.46	6.15	6.67	7.15	6.41	6.19	7.91
Total Crops	6.48	6.22	6.52	6.96	6.08	6.23	7.69
Total Livestock	7.05	7.05	6.65	7.52	8.00	7.41	6.74
Total Services	6.32	5.72	6.76	7.58	6.03	5.68	9.48

Source: Tables 1-E through 7-E, September 1991.

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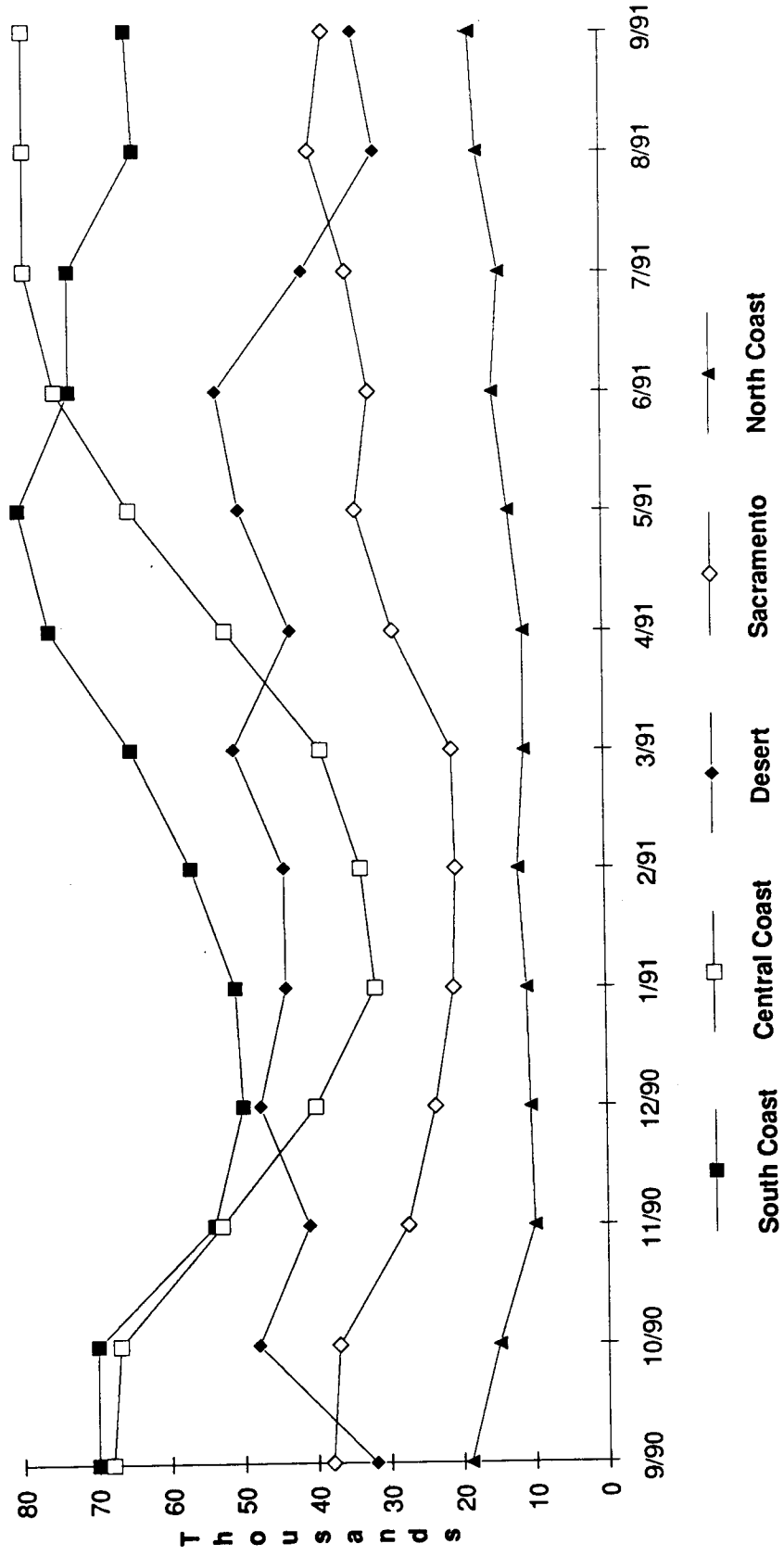
# TOTAL WAGE & SALARY EMPLOYMENT

## California and San Joaquin Region

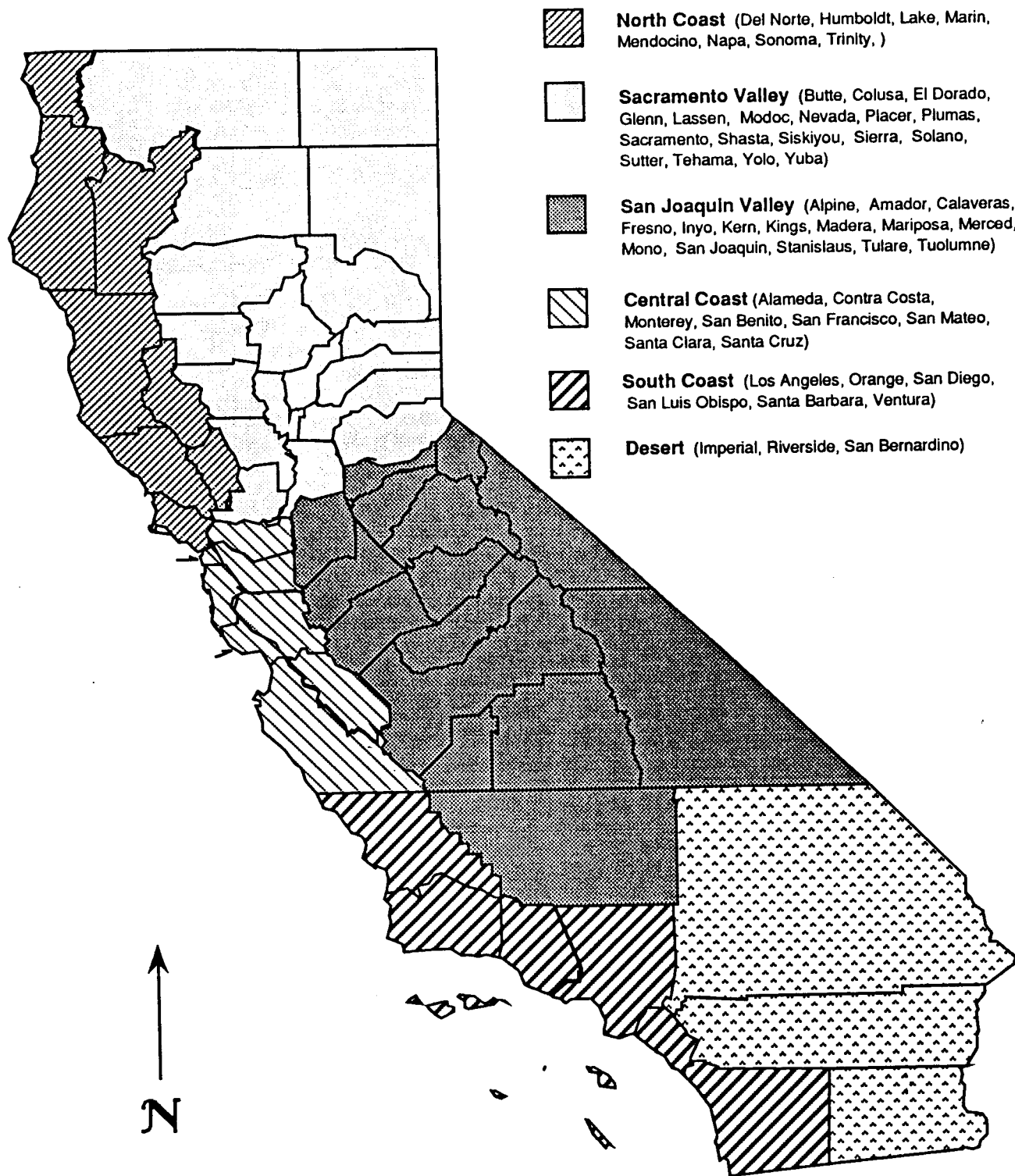


# TOTAL WAGE & SALARY EMPLOYMENT

All Regions except San Joaquin



**CES-AG REPORTING REGIONS**  
**LABOR MARKET INFORMATION DIVISION**  
**EMPLOYMENT DEVELOPMENT DEPARTMENT**



## **DATA SOURCES:**

The data are obtained from two sources: the Employment Development Department (EDD) Unemployment Insurance (UI) files, and a monthly survey, conducted by the Labor Market Information Division of EDD, of 4,000 agricultural employers. This sample, about 12% of the employers, was selected to be statistically representative of the state's agricultural employers by size, geographic location and industry categories.

Sample data are gathered for the week that includes the 12th calendar day of the month; thus all data in these bulletins represent activities taking place during this mid-month period. Since the full employer sample was not complete prior to October 1990, the data for production workers employment, earnings and hours are not yet available for year-over comparison.

## **DATA COMMENTS:**

**ESTIMATES FOR THE STATE AND SIX REGIONS ARE INDEPENDENTLY DERIVED. THEREFORE, THE SUM OF THE REGIONAL ESTIMATES WILL NOT NECESSARILY EQUAL THE STATEWIDE TOTAL.**

To aid in accurate usage and interpretation of the data, please note the following:

- Employment data do not include employers or unpaid family workers.
- It is important to note that average hourly earnings are not hourly wage rates; they are gross earnings of production workers divided by total hours for production workers.
- Figures for the current month are preliminary and subject to revision.
- Total agricultural employment estimates in this bulletin are derived from a new monthly sampling project: the Current Employment Statistics for Agriculture. Therefore, estimates in this bulletin will differ from other agricultural estimates published by this department because of differences in the number of agricultural industries covered and in the definition of workers.

If you wish to be placed on our mailing list to receive future issues of this publication, please send your name and address to: **Special Projects Unit, Labor Market Information Division, Employment Development Department, P.O. Box 826216, Sacramento, CA 94299-9994 or call (916) 427-4961. (ATSS 8-466-4961).**

TABLE 1-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
CALIFORNIA  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991	SEP 1990
TOTAL AGRICULTURAL	465.7	446.8	476.3
TOTAL AGRIC. PROD. CROPS	274.0	264.4	261.4
CASH GRAINS	3.5	3.5	3.4
RICE	1.8	1.7	1.9
OTHER CASH GRAIN	1.7	1.8	1.5
FIELD CROPS EXCEPT CASH GRAIN	15.0	16.0	13.4
COTTON	8.3	9.4	6.9
OTHER FIELD CROPS	6.7	6.6	6.5
VEGETABLES AND MELONS	43.2	43.9	35.8
TOTAL FRUIT AND TREE NUTS	140.5	128.0	133.5
BERRIES	17.2	17.0	16.1
GRAPES	69.4	54.3	64.5
TREE NUTS	10.4	6.8	11.2
CITRUS FRUITS	3.9	4.1	5.2
DECIDUOUS TREE FRUIT	22.7	29.4	21.6
OTHER FRUITS AND NUTS	16.9	16.4	14.9
TOTAL HORTICULTURAL SPECIALTIES	30.7	31.4	33.6
ORNAMENTAL FLORAL & NURS PRD	27.5	28.0	30.0
FOOD CROPS GROWN UNDR COVER	3.2	3.4	3.6
GENERAL FARM PRIMARILY CROP	41.1	41.6	41.7
TOTAL AGRIC. PROD. LIVESTOCK	28.2	28.3	28.3
BEEF CATTLE FEED LOTS	0.9	0.9	0.9
BEEF CATTLE EXCEPT FEED LOTS	4.0	4.1	4.1
DAIRY FARMS	13.6	13.6	13.2
CHICKEN EGGS	3.3	3.2	3.5
TURKEYS & TURKEY EGGS	1.2	1.3	1.3
OTHER LIVESTOCK	5.2	5.2	5.3
TOTAL AGRICULTURAL SERVICES	163.5	154.1	186.6
SOIL PREPARATION SERVICES	1.1	1.1	1.1
CROP SERVICES	52.4	52.7	52.3
CROP PLANT-CULT-PROTECTION	4.6	5.0	5.7
CROP HARVEST PRIM. MACHINE	9.8	9.4	10.0
CROP PREP. SERV. FOR MARKET	37.0	37.4	35.6
COTTON GINNING	1.0	0.9	1.0
TOTAL FARM LABOR & MANAGEMENT	110.0	100.3	133.2
FARM LABOR CONTRACTORS	101.7	92.9	121.7
FARM MANAGEMENT SERVICES	8.3	7.4	11.5

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 1-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	432.2	413.9
TOTAL AGRIC. PROD. CROPS	253.1	243.4
CASH GRAINS	3.1	3.1
RICE	1.5	1.4
OTHER CASH GRAIN	1.6	1.7
FIELD CROPS EXCEPT CASH GRAIN	13.6	14.6
COTTON	7.7	8.8
OTHER FIELD CROPS	5.9	5.8
VEGETABLES AND MELONS	39.9	40.7
TOTAL FRUIT AND TREE NUTS	133.1	120.9
BERRIES	16.8	16.6
GRAPES	66.2	51.2
TREE NUTS	9.5	6.1
CITRUS FRUITS	3.5	3.7
DECIDUOUS TREE FRUIT	21.0	27.7
OTHER FRUITS AND NUTS	16.1	15.6
TOTAL HORTICULTURAL SPECIALTIES	25.3	25.9
ORNAMENTAL FLORAL & NURS PRD	22.5	22.9
FOOD CROPS GROWN UNDR COVER	2.8	3.0
GENERAL FARM PRIMARILY CROP	38.1	38.2
TOTAL AGRIC. PROD. LIVESTOCK	24.4	24.4
BEEF CATTLE FEED LOTS	0.7	0.7
BEEF CATTLE EXCEPT FEED LOTS	3.3	3.3
DAIRY FARMS	12.8	12.7
CHICKEN EGGS	2.4	2.4
TURKEYS & TURKEY EGGS	0.8	0.9
OTHER LIVESTOCK	4.4	4.4
TOTAL AGRICULTURAL SERVICES	154.7	146.1
SOIL PREPARATION SERVICES	0.8	0.8
CROP SERVICES	47.1	47.2
CROP PLANT-CULT-PROTECTION	3.7	4.0
CROP HARVEST PRIM. MACHINE	9.3	8.8
CROP PREP. SERV. FOR MARKET	33.5	33.9
COTTON GINNING	0.6	0.5
TOTAL FARM LABOR & MANAGEMENT	106.8	98.1
FARM LABOR CONTRACTORS	99.4	91.6
FARM MANAGEMENT SERVICES	7.4	6.5

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.



TABLE 1-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN DOLLARS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	274.55	265.65
TOTAL AGRIC. PROD. CROPS	287.06	278.33
CASH GRAINS	343.20	348.19
RICE	335.58	338.50
OTHER CASH GRAIN	351.04	356.33
FIELD CROPS EXCEPT CASH GRAIN	302.88	312.02
COTTON	307.38	311.85
OTHER FIELD CROPS	297.39	312.00
VEGETABLES AND MELONS	315.08	309.63
TOTAL FRUIT AND TREE NUTS	273.70	251.93
BERRIES	299.26	275.63
GRAPES	275.57	254.52
TREE NUTS	299.13	288.24
CITRUS FRUITS	302.62	300.59
DECIDUOUS TREE FRUIT	254.32	214.85
OTHER FRUITS AND NUTS	241.64	258.69
TOTAL HORTICULTURAL SPECIALTIES	303.70	297.82
ORNAMENTAL FLORAL & NURS PRD	298.08	297.53
FOOD CROPS GROWN UNDR COVER	351.85	302.24
GENERAL FARM PRIMARILY CROP	283.96	295.00
TOTAL AGRIC. PROD. LIVESTOCK	351.09	336.92
BEEF CATTLE FEED LOTS	363.42	358.39
BEEF CATTLE EXCEPT FEED LOTS	319.00	320.02
DAIRY FARMS	372.64	355.85
CHICKEN EGGS	319.47	305.60
TURKEYS & TURKEY EGGS	334.65	337.03
OTHER LIVESTOCK	329.15	309.83
TOTAL AGRICULTURAL SERVICES	243.32	233.12
SOIL PREPARATION SERVICES	498.46	536.52
CROP SERVICES	270.64	268.66
CROP PLANT-CULT-PROTECTION	345.84	341.16
CROP HARVEST PRIM. MACHINE	256.12	247.30
CROP PREP. SERV. FOR MARKET	264.77	264.37
COTTON GINNING	364.91	368.90
TOTAL FARM LABOR & MANAGEMENT	229.67	213.35
FARM LABOR CONTRACTORS	226.58	209.56
FARM MANAGEMENT SERVICES	269.47	272.84

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 1-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN HOURS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	42.5	41.9
TOTAL AGRIC. PROD. CROPS	44.3	43.9
CASH GRAINS	55.0	55.8
RICE	51.0	52.4
OTHER CASH GRAIN	58.8	58.8
FIELD CROPS EXCEPT CASH GRAIN	46.1	48.3
COTTON	43.6	46.2
OTHER FIELD CROPS	49.4	51.4
VEGETABLES AND MELONS	45.4	45.4
TOTAL FRUIT AND TREE NUTS	42.9	40.7
BERRIES	44.8	43.0
GRAPES	42.2	40.4
TREE NUTS	50.7	48.2
CITRUS FRUITS	44.7	42.1
DECIDUOUS TREE FRUIT	42.6	37.3
OTHER FRUITS AND NUTS	39.1	42.2
TOTAL HORTICULTURAL SPECIALTIES	45.6	45.4
ORNAMENTAL FLORAL & NURS PRD	46.0	46.2
FOOD CROPS GROWN UNDR COVER	42.7	39.1
GENERAL FARM PRIMARILY CROP	45.8	48.6
TOTAL AGRIC. PROD. LIVESTOCK	49.8	48.2
BEEF CATTLE FEED LOTS	55.4	54.8
BEEF CATTLE EXCEPT FEED LOTS	47.4	47.2
DAIRY FARMS	51.9	49.7
CHICKEN EGGS	48.7	47.9
TURKEYS & TURKEY EGGS	52.7	55.8
OTHER LIVESTOCK	44.3	42.5
TOTAL AGRICULTURAL SERVICES	38.5	37.6
SOIL PREPARATION SERVICES	48.3	52.6
CROP SERVICES	39.8	40.4
CROP PLANT-CULT-PROTECTION	47.9	49.3
CROP HARVEST PRIM. MACHINE	38.0	36.8
CROP PREP. SERV. FOR MARKET	39.4	40.3
COTTON GINNING	40.5	43.4
TOTAL FARM LABOR & MANAGEMENT	37.9	36.1
FARM LABOR CONTRACTORS	37.7	35.7
FARM MANAGEMENT SERVICES	40.1	42.3

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 1-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN DOLLARS PER HOUR)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	6.46	6.34
TOTAL AGRIC. PROD. CROPS	6.48	6.34
CASH GRAINS	6.24	6.24
RICE	6.58	6.46
OTHER CASH GRAIN	5.97	6.06
FIELD CROPS EXCEPT CASH GRAIN	6.57	6.46
COTTON	7.05	6.75
OTHER FIELD CROPS	6.02	6.07
VEGETABLES AND MELONS	6.94	6.82
TOTAL FRUIT AND TREE NUTS	6.38	6.19
BERRIES	6.68	6.41
GRAPES	6.53	6.30
TREE NUTS	5.90	5.98
CITRUS FRUITS	6.77	7.14
DECIDUOUS TREE FRUIT	5.97	5.76
OTHER FRUITS AND NUTS	6.18	6.13
TOTAL HORTICULTURAL SPECIALTIES	6.66	6.56
ORNAMENTAL FLORAL & NURS PRD	6.48	6.44
FOOD CROPS GROWN UNDR COVER	8.24	7.73
GENERAL FARM PRIMARILY CROP	6.20	6.07
TOTAL AGRIC. PROD. LIVESTOCK	7.05	6.99
BEEF CATTLE FEED LOTS	6.56	6.54
BEEF CATTLE EXCEPT FEED LOTS	6.73	6.78
DAIRY FARMS	7.18	7.16
CHICKEN EGGS	6.56	6.38
TURKEYS & TURKEY EGGS	6.35	6.04
OTHER LIVESTOCK	7.43	7.29
TOTAL AGRICULTURAL SERVICES	6.32	6.20
SOIL PREPARATION SERVICES	10.32	10.20
CROP SERVICES	6.80	6.65
CROP PLANT-CULT-PROTECTION	7.22	6.92
CROP HARVEST PRIM. MACHINE	6.74	6.72
CROP PREP. SERV. FOR MARKET	6.72	6.56
COTTON GINNING	9.01	8.50
TOTAL FARM LABOR & MANAGEMENT	6.06	5.91
FARM LABOR CONTRACTORS	6.01	5.87
FARM MANAGEMENT SERVICES	6.72	6.45

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 2-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991	SEP 1990
TOTAL AGRICULTURAL	237.0	222.5	249.2
TOTAL AGRIC. PROD. CROPS	133.6	127.3	124.6
TOTAL FIELD CROPS	11.2	12.4	10.7
COTTON	7.8	8.9	6.5
OTHER FIELD CROPS	3.4	3.5	4.2
VEGETABLES AND MELONS	6.9	8.8	6.2
TOTAL FRUIT AND TREE NUTS	90.4	80.6	79.7
GRAPES	56.7	45.6	49.6
TREE NUTS	6.7	4.3	7.2
CITRUS FRUITS	1.4	1.6	2.5
DECIDUOUS TREE FRUIT	14.6	18.8	11.1
OTHER FRUITS AND NUTS	11.0	10.3	9.3
HORTICULTURAL SPECIALTIES	2.3	2.3	2.8
GENERAL FARM PRIMARILY CROP	22.8	23.2	25.2
TOTAL AGRIC. PROD. LIVESTOCK	14.6	14.7	14.1
BEEF CATTLE FEED LOTS	0.3	0.4	0.3
BEEF CATTLE EXCEPT FEED LOTS	1.5	1.5	1.5
DAIRY FARMS	9.0	8.9	8.3
POULTRY & EGGS	2.7	2.8	2.8
OTHER LIVESTOCK	1.1	1.1	1.2
TOTAL AGRICULTURAL SERVICES	88.8	80.5	110.5
CROP SERVICES	26.2	25.2	27.8
CROP PLANT-CULT-PROTECTION	2.9	3.2	3.7
CROP HARVEST PRIM. MACHINE	2.7	2.4	4.4
CROP PREP. SERV. FOR MARKET	19.7	18.7	18.8
COTTON GINNING	0.9	0.9	0.9
TOTAL FARM LABOR & MANAGEMENT	62.6	55.3	82.7
FARM LABOR CONTRACTORS	58.8	52.2	77.1
FARM MANAGEMENT SERVICES	3.8	3.1	5.6

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 2-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	225.0	209.8
TOTAL AGRIC. PROD. CROPS	127.4	120.5
TOTAL FIELD CROPS	10.2	11.4
COTTON	7.3	8.3
OTHER FIELD CROPS	2.9	3.1
VEGETABLES AND MELONS	6.5	8.3
TOTAL FRUIT AND TREE NUTS	87.5	77.6
GRAPES	55.5	44.4
TREE NUTS	6.2	3.9
CITRUS FRUITS	1.2	1.4
DECIDUOUS TREE FRUIT	13.9	17.9
OTHER FRUITS AND NUTS	10.7	10.0
HORTICULTURAL SPECIALTIES	2.0	2.0
GENERAL FARM PRIMARILY CROP	21.2	21.2
TOTAL AGRIC. PROD. LIVESTOCK	13.3	13.3
BEEF CATTLE FEED LOTS	0.3	0.3
BEEF CATTLE EXCEPT FEED LOTS	1.3	1.3
DAIRY FARMS	8.4	8.3
POULTRY & EGGS	2.3	2.4
OTHER LIVESTOCK	1.0	1.0
TOTAL AGRICULTURAL SERVICES	84.3	76.0
CROP SERVICES	22.7	21.6
CROP PLANT-CULT-PROTECTION	2.2	2.5
CROP HARVEST PRIM. MACHINE	2.5	2.2
CROP PREP. SERV. FOR MARKET	17.4	16.4
COTTON GINNING	0.6	0.5
TOTAL FARM LABOR & MANAGEMENT	61.6	54.4
FARM LABOR CONTRACTORS	58.2	51.6
FARM MANAGEMENT SERVICES	3.4	2.8

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 2-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	266.91	250.38
TOTAL AGRIC. PROD. CROPS	274.92	257.30
TOTAL FIELD CROPS	315.48	316.14
COTTON	308.02	312.12
OTHER FIELD CROPS	334.40	326.81
VEGETABLES AND MELONS	276.87	256.82
TOTAL FRUIT AND TREE NUTS	268.40	242.40
GRAPES	275.06	248.07
TREE NUTS	287.76	295.68
CITRUS FRUITS	303.26	296.60
DECIDUOUS TREE FRUIT	258.43	206.27
OTHER FRUITS AND NUTS	233.38	256.47
HORTICULTURAL SPECIALTIES	330.18	310.91
GENERAL FARM PRIMARILY CROP	275.40	275.65
TOTAL AGRIC. PROD. LIVESTOCK	356.73	337.12
BEEF CATTLE FEED LOTS	397.42	393.45
BEEF CATTLE EXCEPT FEED LOTS	344.37	318.09
DAIRY FARMS	363.83	346.00
POULTRY & EGGS	352.30	320.17
OTHER LIVESTOCK	312.89	316.83
TOTAL AGRICULTURAL SERVICES	241.67	224.01
CROP SERVICES	277.32	257.31
CROP PLANT-CULT-PROTECTION	352.64	348.46
CROP HARVEST PRIM. MACHINE	331.40	257.47
CROP PREP. SERV. FOR MARKET	256.01	239.27
COTTON GINNING	389.58	374.93
TOTAL FARM LABOR & MANAGEMENT	228.80	210.37
FARM LABOR CONTRACTORS	224.14	207.57
FARM MANAGEMENT SERVICES	304.76	272.22

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 2-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	43.4	41.8
TOTAL AGRIC. PROD. CROPS	44.2	42.6
TOTAL FIELD CROPS	46.6	47.9
COTTON	43.2	45.9
OTHER FIELD CROPS	55.0	53.4
VEGETABLES AND MELONS	46.3	43.9
TOTAL FRUIT AND TREE NUTS	43.5	40.4
GRAPES	43.8	40.6
TREE NUTS	49.7	48.0
CITRUS FRUITS	46.8	46.2
DECIDUOUS TREE FRUIT	44.1	37.3
OTHER FRUITS AND NUTS	37.4	41.5
HORTICULTURAL SPECIALTIES	46.9	44.8
GENERAL FARM PRIMARILY CROP	45.0	47.2
TOTAL AGRIC. PROD. LIVESTOCK	50.6	49.0
BEEF CATTLE FEED LOTS	64.1	64.5
BEEF CATTLE EXCEPT FEED LOTS	46.1	46.1
DAIRY FARMS	52.5	50.0
POULTRY & EGGS	46.6	46.2
OTHER LIVESTOCK	46.7	47.5
TOTAL AGRICULTURAL SERVICES	41.1	39.3
CROP SERVICES	44.3	43.1
CROP PLANT-CULT-PROTECTION	46.4	48.6
CROP HARVEST PRIM. MACHINE	51.3	43.2
CROP PREP. SERV. FOR MARKET	43.1	42.2
COTTON GINNING	42.3	43.8
TOTAL FARM LABOR & MANAGEMENT	40.0	37.7
FARM LABOR CONTRACTORS	39.6	37.4
FARM MANAGEMENT SERVICES	46.6	44.7

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 2-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	6.15	5.99
TOTAL AGRIC. PROD. CROPS	6.22	6.04
TOTAL FIELD CROPS	6.77	6.60
COTTON	7.13	6.80
OTHER FIELD CROPS	6.08	6.12
VEGETABLES AND MELONS	5.98	5.85
TOTAL FRUIT AND TREE NUTS	6.17	6.00
GRAPES	6.28	6.11
TREE NUTS	5.79	6.16
CITRUS FRUITS	6.48	6.42
DECIDUOUS TREE FRUIT	5.86	5.53
OTHER FRUITS AND NUTS	6.24	6.18
HORTICULTURAL SPECIALTIES	7.04	6.94
GENERAL FARM PRIMARILY CROP	6.12	5.84
TOTAL AGRIC. PROD. LIVESTOCK	7.05	6.88
BEEF CATTLE FEED LOTS	6.20	6.10
BEEF CATTLE EXCEPT FEED LOTS	7.47	6.90
DAIRY FARMS	6.93	6.92
POULTRY & EGGS	7.56	6.93
OTHER LIVESTOCK	6.70	6.67
TOTAL AGRICULTURAL SERVICES	5.88	5.70
CROP SERVICES	6.26	5.97
CROP PLANT-CULT-PROTECTION	7.60	7.17
CROP HARVEST PRIM. MACHINE	6.46	5.96
CROP PREP. SERV. FOR MARKET	5.94	5.67
COTTON GINNING	9.21	8.56
TOTAL FARM LABOR & MANAGEMENT	5.72	5.58
FARM LABOR CONTRACTORS	5.66	5.55
FARM MANAGEMENT SERVICES	6.54	6.09

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.



TABLE 3-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991	SEP 1990
TOTAL AGRICULTURAL	64.8	63.3	70.1
TOTAL AGRIC. PROD. CROPS	43.6	42.1	41.4
VEGETABLES AND MELONS	13.7	12.3	10.7
TOTAL FRUIT AND TREE NUTS	10.3	9.8	11.1
BERRIES	4.6	4.5	5.4
GRAPES	1.7	1.1	1.6
CITRUS FRUITS	2.2	2.2	2.0
OTHER FRUITS AND NUTS	1.8	2.0	2.1
TOTAL HORTICULTURAL SPECIALTIES	15.4	16.0	16.0
ORNAMENTAL FLORAL & NURS PRD	14.8	15.4	15.2
FOOD CROPS GROWN UNDR COVER	0.6	0.6	0.8
GENERAL FARM PRIMARILY CROP	4.2	4.0	3.6
TOTAL AGRIC. PROD. LIVESTOCK	2.8	2.9	2.9
TOTAL AGRICULTURAL SERVICES	18.4	18.3	25.8
CROP SERVICES	5.2	5.3	4.7
CROP HARVEST PRIM. MACHINE	2.2	2.2	1.7
CROP PREP. SERV. FOR MARKET	3.0	3.1	3.0
TOTAL FARM LABOR & MANAGEMENT	13.2	13.0	21.1
FARM LABOR CONTRACTORS	11.7	11.5	19.0
FARM MANAGEMENT SERVICES	1.5	1.5	2.1

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 3-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	57.9	56.0
TOTAL AGRIC. PROD. CROPS	38.4	36.7
VEGETABLES AND MELONS	12.5	11.0
TOTAL FRUIT AND TREE NUTS	9.4	9.1
BERRIES	4.4	4.3
GRAPES	1.5	1.0
CITRUS FRUITS	1.9	2.0
OTHER FRUITS AND NUTS	1.6	1.8
TOTAL HORTICULTURAL SPECIALTIES	12.6	12.9
ORNAMENTAL FLORAL & NURS PRD	12.1	12.4
FOOD CROPS GROWN UNDR COVER	0.5	0.5
GENERAL FARM PRIMARILY CROP	3.9	3.7
TOTAL AGRIC. PROD. LIVESTOCK	2.2	2.2
TOTAL AGRICULTURAL SERVICES	17.3	17.1
CROP SERVICES	4.8	4.9
CROP HARVEST PRIM. MACHINE	2.1	2.1
CROP PREP. SERV. FOR MARKET	2.7	2.8
TOTAL FARM LABOR & MANAGEMENT	12.5	12.2
FARM LABOR CONTRACTORS	11.2	10.9
FARM MANAGEMENT SERVICES	1.3	1.3

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 3-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	270.14	280.14
TOTAL AGRIC. PROD. CROPS	279.06	291.92
VEGETABLES AND MELONS	277.91	291.81
TOTAL FRUIT AND TREE NUTS	292.82	274.74
BERRIES	294.87	242.49
GRAPES	289.93	316.67
CITRUS FRUITS	299.19	301.28
OTHER FRUITS AND NUTS	281.97	298.63
TOTAL HORTICULTURAL SPECIALTIES	287.00	295.79
ORNAMENTAL FLORAL & NURS PRD	288.29	296.40
FOOD CROPS GROWN UNDR COVER	258.62	272.52
GENERAL FARM PRIMARILY CROP	224.36	325.22
TOTAL AGRIC. PROD. LIVESTOCK	299.92	299.38
TOTAL AGRICULTURAL SERVICES	246.38	252.36
CROP SERVICES	288.04	307.72
CROP HARVEST PRIM. MACHINE	260.19	270.27
CROP PREP. SERV. FOR MARKET	310.18	335.07
TOTAL FARM LABOR & MANAGEMENT	230.52	230.06
FARM LABOR CONTRACTORS	233.23	222.44
FARM MANAGEMENT SERVICES	203.76	291.03

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 3-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	40.5	42.9
TOTAL AGRIC. PROD. CROPS	42.8	45.9
VEGETABLES AND MELONS	42.3	46.1
TOTAL FRUIT AND TREE NUTS	44.3	44.1
BERRIES	43.3	41.1
GRAPES	44.4	48.2
CITRUS FRUITS	45.4	44.7
OTHER FRUITS AND NUTS	45.7	48.4
TOTAL HORTICULTURAL SPECIALTIES	45.7	47.1
ORNAMENTAL FLORAL & NURS PRD	46.2	47.5
FOOD CROPS GROWN UNDR COVER	34.3	35.3
GENERAL FARM PRIMARILY CROP	31.6	46.0
TOTAL AGRIC. PROD. LIVESTOCK	45.1	46.2
TOTAL AGRICULTURAL SERVICES	34.8	36.0
CROP SERVICES	36.6	39.2
CROP HARVEST PRIM. MACHINE	34.6	35.1
CROP PREP. SERV. FOR MARKET	38.2	42.2
TOTAL FARM LABOR & MANAGEMENT	34.1	34.7
FARM LABOR CONTRACTORS	34.4	33.5
FARM MANAGEMENT SERVICES	31.3	44.5

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 3-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	6.67	6.53
TOTAL AGRIC. PROD. CROPS	6.52	6.36
VEGETABLES AND MELONS	6.57	6.33
TOTAL FRUIT AND TREE NUTS	6.61	6.23
BERRIES	6.81	5.90
GRAPES	6.53	6.57
CITRUS FRUITS	6.59	6.74
OTHER FRUITS AND NUTS	6.17	6.17
TOTAL HORTICULTURAL SPECIALTIES	6.28	6.28
ORNAMENTAL FLORAL & NURS PRD	6.24	6.24
FOOD CROPS GROWN UNDR COVER	7.54	7.72
GENERAL FARM PRIMARILY CROP	7.10	7.07
TOTAL AGRIC. PROD. LIVESTOCK	6.65	6.48
TOTAL AGRICULTURAL SERVICES	7.08	7.01
CROP SERVICES	7.87	7.85
CROP HARVEST PRIM. MACHINE	7.52	7.70
CROP PREP. SERV. FOR MARKET	8.12	7.94
TOTAL FARM LABOR & MANAGEMENT	6.76	6.63
FARM LABOR CONTRACTORS	6.78	6.64
FARM MANAGEMENT SERVICES	6.51	6.54

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 4-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
CENTRAL COAST REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991	SEP 1990
TOTAL AGRICULTURAL	79.0	77.2	67.7
TOTAL AGRIC. PROD. CROPS	51.3	50.5	43.8
VEGETABLES AND MELONS	18.3	18.6	14.6
TOTAL FRUIT AND TREE NUTS	16.8	16.2	14.6
BERRIES	13.3	13.4	10.3
GRAPES	1.3	1.1	1.5
DECIDUOUS TREE FRUIT	1.4	0.9	1.8
OTHER FRUITS AND NUTS	0.8	0.8	1.0
TOTAL HORTICULTURAL SPECIALTIES	9.7	9.6	10.2
ORNAMENTAL FLORAL & NURS PRD	7.5	7.4	7.9
FOOD CROPS GROWN UNDR COVER	2.2	2.2	2.3
GENERAL FARM PRIMARILY CROP	6.5	6.1	4.4
TOTAL AGRIC. PROD. LIVESTOCK	1.2	1.2	1.3
TOTAL AGRICULTURAL SERVICES	26.5	25.5	22.6
CROP SERVICES	12.9	12.3	11.6
CROP HARVEST PRIM. MACHINE	3.7	3.6	3.6
CROP PREP. SERV. FOR MARKET	9.2	8.7	8.0
TOTAL FARM LABOR & MANAGEMENT	13.6	13.2	11.0
FARM LABOR CONTRACTORS	13.1	12.6	10.4
FARM MANAGEMENT SERVICES	0.5	0.6	0.6

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 4-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	72.3	71.8
TOTAL AGRIC. PROD. CROPS	47.1	46.5
VEGETABLES AND MELONS	16.8	17.2
TOTAL FRUIT AND TREE NUTS	16.1	15.6
BERRIES	13.0	13.2
GRAPES	1.1	0.9
DECIDUOUS TREE FRUIT	1.3	0.8
OTHER FRUITS AND NUTS	0.7	0.7
TOTAL HORTICULTURAL SPECIALTIES	7.9	7.9
ORNAMENTAL FLORAL & NURS PRD	6.0	5.9
FOOD CROPS GROWN UNDR COVER	1.9	2.0
GENERAL FARM PRIMARILY CROP	6.3	5.8
TOTAL AGRIC. PROD. LIVESTOCK	1.0	1.0
TOTAL AGRICULTURAL SERVICES	24.2	24.3
CROP SERVICES	11.8	11.3
CROP HARVEST PRIM. MACHINE	3.3	3.3
CROP PREP. SERV. FOR MARKET	8.5	8.0
TOTAL FARM LABOR & MANAGEMENT	12.4	13.0
FARM LABOR CONTRACTORS	12.0	12.5
FARM MANAGEMENT SERVICES	0.4	0.5

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 4-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	301.02	299.75
TOTAL AGRIC. PROD. CROPS	309.72	307.74
VEGETABLES AND MELONS	338.74	335.90
TOTAL FRUIT AND TREE NUTS	295.68	287.43
BERRIES	299.59	290.40
GRAPES	304.16	332.90
DECIDUOUS TREE FRUIT	254.51	189.99
OTHER FRUITS AND NUTS	284.62	284.14
TOTAL HORTICULTURAL SPECIALTIES	322.94	311.40
ORNAMENTAL FLORAL & NURS PRO	296.78	298.53
FOOD CROPS GROWN UNDR COVER	404.87	351.95
GENERAL FARM PRIMARILY CROP	248.61	271.20
TOTAL AGRIC. PROD. LIVESTOCK	285.01	319.96
TOTAL AGRICULTURAL SERVICES	284.25	284.20
CROP SERVICES	310.46	317.05
CROP HARVEST PRIM. MACHINE	312.06	304.29
CROP PREP. SERV. FOR MARKET	309.82	322.69
TOTAL FARM LABOR & MANAGEMENT	260.24	255.45
FARM LABOR CONTRACTORS	257.00	253.26
FARM MANAGEMENT SERVICES	358.18	298.68

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.



TABLE 4-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	42.1	42.7
TOTAL AGRIC. PROD. CROPS	44.5	44.6
VEGETABLES AND MELONS	45.9	45.7
TOTAL FRUIT AND TREE NUTS	44.0	42.9
BERRIES	45.6	44.0
GRAPES	35.7	42.9
DECIDUOUS TREE FRUIT	38.1	32.7
OTHER FRUITS AND NUTS	38.0	34.4
TOTAL HORTICULTURAL SPECIALTIES	46.2	45.0
ORNAMENTAL FLORAL & NURS PRD	46.3	46.5
FOOD CROPS GROWN UNDR COVER	45.8	40.5
GENERAL FARM PRIMARILY CROP	39.4	44.9
TOTAL AGRIC. PROD. LIVESTOCK	37.9	42.1
TOTAL AGRICULTURAL SERVICES	37.5	39.2
CROP SERVICES	39.6	40.7
CROP HARVEST PRIM. MACHINE	44.9	44.1
CROP PREP. SERV. FOR MARKET	37.6	39.4
TOTAL FARM LABOR & MANAGEMENT	35.6	37.9
FARM LABOR CONTRACTORS	35.4	37.8
FARM MANAGEMENT SERVICES	40.2	38.0

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 4-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	7.15	7.02
TOTAL AGRIC. PROD. CROPS	6.96	6.90
VEGETABLES AND MELONS	7.38	7.35
TOTAL FRUIT AND TREE NUTS	6.72	6.70
BERRIES	6.57	6.60
GRAPES	8.52	7.76
DECIDUOUS TREE FRUIT	6.68	5.81
OTHER FRUITS AND NUTS	7.49	8.26
TOTAL HORTICULTURAL SPECIALTIES	6.99	6.92
ORNAMENTAL FLORAL & NURS PRD	6.41	6.42
FOOD CROPS GROWN UNDR COVER	8.84	8.69
GENERAL FARM PRIMARILY CROP	6.31	6.04
TOTAL AGRIC. PROD. LIVESTOCK	7.52	7.60
TOTAL AGRICULTURAL SERVICES	7.58	7.25
CROP SERVICES	7.84	7.79
CROP HARVEST PRIM. MACHINE	6.95	6.90
CROP PREP. SERV. FOR MARKET	8.24	8.19
TOTAL FARM LABOR & MANAGEMENT	7.31	6.74
FARM LABOR CONTRACTORS	7.26	6.70
FARM MANAGEMENT SERVICES	8.91	7.86

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 5-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
DESERT REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991	SEP 1990
TOTAL AGRICULTURAL	33.5	31.4	31.7
TOTAL AGRIC. PROD. CROPS	10.8	9.4	9.9
FIELD CROPS	1.9	1.8	1.8
VEGETABLES AND MELONS	2.1	1.8	1.9
TOTAL FRUIT AND TREE NUTS	3.2	2.5	2.7
GRAPES	2.1	1.4	0.7
CITRUS FRUITS	0.3	0.4	0.6
OTHER FRUITS AND NUTS	0.8	0.7	1.4
HORTICULTURAL SPECIALTIES	0.9	0.9	1.0
GENERAL FARM PRIMARILY CROP	2.7	2.4	2.5
TOTAL AGRIC. PROD. LIVESTOCK	5.4	5.2	5.7
DAIRY FARMS	2.3	2.2	2.5
CHICKEN EGGS	1.3	1.3	1.5
OTHER LIVESTOCK	1.8	1.7	1.7
TOTAL AGRICULTURAL SERVICES	17.3	16.8	16.1
CROP SERVICES	6.6	6.6	6.4
CROP PLANT-CULT-PROTECTION	0.9	0.8	0.7
CROP HARVEST PRIM. MACHINE	1.5	1.4	1.3
CROP PREP. SERV. FOR MARKET	4.2	4.4	4.4
TOTAL FARM LABOR & MANAGEMENT	10.7	10.2	9.7

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 5-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
DESERT REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	30.6	28.4
TOTAL AGRIC. PROD. CROPS	9.3	7.9
FIELD CROPS	1.6	1.5
VEGETABLES AND MELONS	2.0	1.7
TOTAL FRUIT AND TREE NUTS	2.8	2.0
GRAPES	1.8	1.1
CITRUS FRUITS	0.3	0.3
OTHER FRUITS AND NUTS	0.7	0.6
HORTICULTURAL SPECIALTIES	0.7	0.7
GENERAL FARM PRIMARILY CROP	2.2	2.0
TOTAL AGRIC. PROD. LIVESTOCK	4.6	4.4
DAIRY FARMS	2.2	2.1
CHICKEN EGGS	0.9	0.9
OTHER LIVESTOCK	1.5	1.4
TOTAL AGRICULTURAL SERVICES	16.7	16.1
CROP SERVICES	6.1	6.1
CROP PLANT-CULT-PROTECTION	0.7	0.7
CROP HARVEST PRIM. MACHINE	1.4	1.3
CROP PREP. SERV. FOR MARKET	4.0	4.1
TOTAL FARM LABOR & MANAGEMENT	10.6	10.0

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 5-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
DESERT REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	264.73	264.79
TOTAL AGRIC. PROD. CROPS	288.80	320.30
FIELD CROPS	296.31	326.22
VEGETABLES AND MELONS	310.12	306.50
TOTAL FRUIT AND TREE NUTS	221.54	288.45
GRAPES	209.79	295.80
CITRUS FRUITS	325.30	303.16
OTHER FRUITS AND NUTS	211.59	267.20
HORTICULTURAL SPECIALTIES	302.72	304.92
GENERAL FARM PRIMARILY CROP	341.91	366.62
TOTAL AGRIC. PROD. LIVESTOCK	408.80	388.63
DAIRY FARMS	501.94	459.70
CHICKEN EGGS	291.37	289.92
OTHER LIVESTOCK	343.95	347.63
TOTAL AGRICULTURAL SERVICES	212.26	202.80
CROP SERVICES	231.10	248.86
CROP PLANT-CULT-PROTECTION	323.14	292.15
CROP HARVEST PRIM. MACHINE	206.11	227.91
CROP PREP. SERV. FOR MARKET	223.82	248.75
TOTAL FARM LABOR & MANAGEMENT	201.45	174.04

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 5-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
DESERT REGION  
(IN HOURS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	41.3	40.8
TOTAL AGRIC. PROD. CROPS	47.5	50.6
FIELD CROPS	51.0	54.1
VEGETABLES AND MELONS	51.6	51.6
TOTAL FRUIT AND TREE NUTS	38.0	46.6
GRAPES	37.8	51.0
CITRUS FRUITS	50.2	44.0
OTHER FRUITS AND NUTS	33.8	40.0
HORTICULTURAL SPECIALTIES	44.0	44.0
GENERAL FARM PRIMARILY CROP	54.1	53.6
TOTAL AGRIC. PROD. LIVESTOCK	51.1	48.7
DAIRY FARMS	51.8	48.8
CHICKEN EGGS	48.4	48.0
OTHER LIVESTOCK	51.8	49.1
TOTAL AGRICULTURAL SERVICES	35.2	33.8
CROP SERVICES	37.7	40.4
CROP PLANT-CULT-PROTECTION	54.4	51.8
CROP HARVEST PRIM. MACHINE	33.9	36.7
CROP PREP. SERV. FOR MARKET	36.1	39.8
TOTAL FARM LABOR & MANAGEMENT	33.8	29.7

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 5-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
DESERT REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	6.41	6.49
TOTAL AGRIC. PROD. CROPS	6.08	6.33
FIELD CROPS	5.81	6.03
VEGETABLES AND MELONS	6.01	5.94
TOTAL FRUIT AND TREE NUTS	5.83	6.19
GRAPES	5.55	5.80
CITRUS FRUITS	6.48	6.89
OTHER FRUITS AND NUTS	6.26	6.68
HORTICULTURAL SPECIALTIES	6.88	6.93
GENERAL FARM PRIMARILY CROP	6.32	6.84
TOTAL AGRIC. PROD. LIVESTOCK	8.00	7.98
DAIRY FARMS	9.69	9.42
CHICKEN EGGS	6.02	6.04
OTHER LIVESTOCK	6.64	7.08
TOTAL AGRICULTURAL SERVICES	6.03	6.00
CROP SERVICES	6.13	6.16
CROP PLANT-CULT-PROTECTION	5.94	5.64
CROP HARVEST PRIM. MACHINE	6.08	6.21
CROP PREP. SERV. FOR MARKET	6.20	6.25
TOTAL FARM LABOR & MANAGEMENT	5.96	5.86

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 6-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SACRAMENTO VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991	SEP 1990
TOTAL AGRICULTURAL	37.7	40.2	38.3
TOTAL AGRIC. PROD. CROPS	27.5	29.7	27.4
RICE	1.5	1.4	1.7
VEGETABLES AND MELONS	1.7	1.9	2.3
TOTAL FRUIT AND TREE NUTS	13.4	14.3	12.9
TREE NUTS	3.0	2.0	3.3
DECIDUOUS TREE FRUIT	7.2	9.4	6.6
OTHER FRUITS AND NUTS	3.2	2.9	3.0
HORTICULTURAL SPECIALTIES	2.2	2.3	2.1
GENERAL FARM PRIMARILY CROP	8.7	9.8	8.4
TOTAL AGRIC. PROD. LIVESTOCK	2.1	2.2	2.1
TOTAL AGRICULTURAL SERVICES	8.1	8.3	8.8
CROP SERVICES	2.8	3.0	2.8
CROP HARVEST PRIM. MACHINE	1.5	1.6	1.4
CROP PREP. SERV. FOR MARKET	1.3	1.4	1.4
TOTAL FARM LABOR & MANAGEMENT	5.3	5.3	6.0

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.



TABLE 6-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	34.4	37.2
TOTAL AGRIC. PROD. CROPS	25.1	27.6
RICE	1.3	1.2
VEGETABLES AND MELONS	1.6	1.8
TOTAL FRUIT AND TREE NUTS	12.1	13.4
TREE NUTS	2.7	1.7
DECIDUOUS TREE FRUIT	6.3	9.0
OTHER FRUITS AND NUTS	3.1	2.7
HORTICULTURAL SPECIALTIES	1.9	2.1
GENERAL FARM PRIMARILY CROP	8.2	9.1
TOTAL AGRIC. PROD. LIVESTOCK	1.9	1.9
TOTAL AGRICULTURAL SERVICES	7.4	7.7
CROP SERVICES	2.3	2.6
CROP HARVEST PRIM. MACHINE	1.2	1.3
CROP PREP. SERV. FOR MARKET	1.1	1.3
TOTAL FARM LABOR & MANAGEMENT	5.1	5.1

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 6-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	290.31	262.64
TOTAL AGRIC. PROD. CROPS	304.02	274.07
RICE	342.04	350.98
VEGETABLES AND MELONS	397.44	336.29
TOTAL FRUIT AND TREE NUTS	283.50	235.97
TREE NUTS	318.85	268.37
DECIDUOUS TREE FRUIT	252.34	222.30
OTHER FRUITS AND NUTS	315.24	260.32
HORTICULTURAL SPECIALTIES	281.52	263.72
GENERAL FARM PRIMARILY CROP	315.88	310.20
TOTAL AGRIC. PROD. LIVESTOCK	346.79	327.07
TOTAL AGRICULTURAL SERVICES	229.47	204.54
CROP SERVICES	311.71	265.78
CROP HARVEST PRIM. MACHINE	316.36	278.80
CROP PREP. SERV. FOR MARKET	307.52	253.33
TOTAL FARM LABOR & MANAGEMENT	190.88	174.43

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 6-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	46.9	43.7
TOTAL AGRIC. PROD. CROPS	48.8	45.3
RICE	50.3	52.7
VEGETABLES AND MELONS	54.0	47.1
TOTAL FRUIT AND TREE NUTS	45.8	40.2
TREE NUTS	52.1	47.0
DECIDUOUS TREE FRUIT	40.7	38.0
OTHER FRUITS AND NUTS	50.6	43.1
HORTICULTURAL SPECIALTIES	44.9	44.1
GENERAL FARM PRIMARILY CROP	53.0	51.7
TOTAL AGRIC. PROD. LIVESTOCK	46.8	45.3
TOTAL AGRICULTURAL SERVICES	40.4	37.6
CROP SERVICES	40.8	39.2
CROP HARVEST PRIM. MACHINE	40.3	40.0
CROP PREP. SERV. FOR MARKET	41.5	38.5
TOTAL FARM LABOR & MANAGEMENT	40.1	36.8

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 6-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	6.19	6.01
TOTAL AGRIC. PROD. CROPS	6.23	6.05
RICE	6.80	6.66
VEGETABLES AND MELONS	7.36	7.14
TOTAL FRUIT AND TREE NUTS	6.19	5.87
TREE NUTS	6.12	5.71
DECIDUOUS TREE FRUIT	6.20	5.85
OTHER FRUITS AND NUTS	6.23	6.04
HORTICULTURAL SPECIALTIES	6.27	5.98
GENERAL FARM PRIMARILY CROP	5.96	6.00
TOTAL AGRIC. PROD. LIVESTOCK	7.41	7.22
TOTAL AGRICULTURAL SERVICES	5.68	5.44
CROP SERVICES	7.64	6.78
CROP HARVEST PRIM. MACHINE	7.85	6.97
CROP PREP. SERV. FOR MARKET	7.41	6.58
TOTAL FARM LABOR & MANAGEMENT	4.76	4.74

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 7-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
NORTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991	SEP 1990
TOTAL AGRICULTURAL	18.2	17.1	19.4
TOTAL AGRIC. PROD. CROPS	12.8	11.7	14.6
TOTAL FRUIT AND TREE NUTS	10.7	9.8	12.5
GRAPES	8.7	6.3	10.3
OTHER FRUITS AND NUTS	2.0	3.5	2.2
TOTAL HORTICULTURAL SPECIALTIES	1.3	1.2	1.4
GENERAL FARM PRIMARILY CROP (2)	0.8	0.7	0.7
TOTAL AGRIC. PROD. LIVESTOCK	2.0	2.1	2.1
TOTAL AGRICULTURAL SERVICES	3.4	3.3	2.7

- (1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.
- (2) INSUFFICIENT SAMPLE TO SUPPORT PRODUCTION WORKER, OR HOURS AND EARNINGS ESTIMATES.

TABLE 7-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	15.2	14.0
TOTAL AGRIC. PROD. CROPS	10.2	9.1
TOTAL FRUIT AND TREE NUTS	8.3	7.5
GRAPES	6.5	4.4
OTHER FRUITS AND NUTS	1.8	3.1
TOTAL HORTICULTURAL SPECIALTIES	1.1	1.0
TOTAL AGRIC. PROD. LIVESTOCK	1.8	1.8
TOTAL AGRICULTURAL SERVICES	3.2	3.1

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 7-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	297.42	314.20
TOTAL AGRIC. PROD. CROPS	270.69	299.75
TOTAL FRUIT AND TREE NUTS	269.73	302.70
GRAPES	282.95	290.03
OTHER FRUITS AND NUTS	217.89	321.09
TOTAL HORTICULTURAL SPECIALTIES	297.93	290.34
TOTAL AGRIC. PROD. LIVESTOCK	356.55	320.35
TOTAL AGRICULTURAL SERVICES	348.86	352.00

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 7-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	37.6	43.7
TOTAL AGRIC. PROD. CROPS	35.2	42.7
TOTAL FRUIT AND TREE NUTS	33.3	42.1
GRAPES	31.3	39.3
OTHER FRUITS AND NUTS	40.5	46.2
TOTAL HORTICULTURAL SPECIALTIES	42.2	41.3
TOTAL AGRIC. PROD. LIVESTOCK	52.9	48.1
TOTAL AGRICULTURAL SERVICES	36.8	44.0

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.



TABLE 7-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	SEP 1991	AUG 1991
TOTAL AGRICULTURAL	7.91	7.19
TOTAL AGRIC. PROD. CROPS	7.69	7.02
TOTAL FRUIT AND TREE NUTS	8.10	7.19
GRAPES	9.04	7.38
OTHER FRUITS AND NUTS	5.38	6.95
TOTAL HORTICULTURAL SPECIALTIES	7.06	7.03
TOTAL AGRIC. PROD. LIVESTOCK	6.74	6.66
TOTAL AGRICULTURAL SERVICES	9.48	8.00

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.